

XP12

★ GOLD/ S02 S05 94-034684/04 ★ WO 9401041-A1
Biofeedback sensor with capacitive transducer - has resilient
dielectric, between conductors pref. of carbon impregnated silicone
rubber and outer insulators

GOLDMAN R J 92.07.01 92US-908121

A96 P31 (94.01.20) A61B 5/103

93.06.30 93WO-US06178 N(AT AU BB BG CA CH CZ DE DK FI GB HU
KP LK LU MG MN MW NL NO NZ PL PT RO RU SD SE SK UA US)
R(AT BE CH DE DK ES FR GB GR IE IT LU MC NL OA PT SE)
A biofeedback sensor comprises an upper and a lower conductor (68,
74) secured to opposite sides of a dielectric member (72) and
connected to circuitry to measure the capacitance between the
conductors and compare it with a preset value entered into the
circuitry, with an information output to the user.

The conductors are pref. of metal mesh or of carbon-
impregnated silicone rubber, with all parts adhered together. Upper
and lower insulators (66, 78) are pref. secured to the conductors, and
the circuitry converts the capacitance to a voltage which is
compared with a preset value. Output to the user may be via a
buzzer. The dielectric is e.g. of open-cell polyurethane foam.

USE/ADVANTAGE - Further inducing a shoe having an open